

Erin Sims

From: Jared Minary
Sent: Tuesday, January 08, 2019 12:12 PM
To: Erin Sims
Subject: Fw: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition
Attachments: ATT00001.txt

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Blue Category

interesting comments

Jared Minary
Forensic Video Technician
Lincoln Police Dept
575 S 10th
Lincoln, Ne 68507
(402) 441-7841

From: fva-list-bounces@lists.umanitoba.ca <fva-list-bounces@lists.umanitoba.ca> on behalf of Darryl Branker <Darryl.Branker@torontopolice.on.ca>
Sent: Tuesday, January 8, 2019 12:05 PM
To: Forensic Video Analysis
Subject: Re: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition

Good Afternoon:

We have Briefcam here in the unit and most recently looked at Vintra as we were expanding the units capabilities. We use Briefcam to work through large amounts of video. (the investigator module)

Listed specs and performance wise during our recent preliminary comparison, Vintra came out on top overall except that it required a hefty hardware spend for either its enterprise or cloud solution. Unlike Briefcam it serviced a wide array of codecs (Briefcam required mp4 files for its investigator module). Briefcam also seems to require almost perfect image quality to be useful for confined search parameters and obviously limited for IR video.

We have not had the opportunity to do a side by side actual comparison but will be sticking to Briefcam for now.

Regards,

Darryl Branker
Detective Constable #9450 | Homicide Squad | Forensic Video Analysis Unit | Toronto Police Service



From: fva-list-bounces@lists.umanitoba.ca <fva-list-bounces@lists.umanitoba.ca> **On Behalf Of** Blake Sawyer

Sent: Tuesday January 8, 2019 12:12

To: Forensic Video Analysis <fva-list@lists.umanitoba.ca>

Subject: Re: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition

Chris not sure what you've gotten back, but I'd love to know what you learn. We had small license of Vintra, which worked ok. The issue is, because you upload the video to a server (which we had potential evidentiary issues) and because the issues with validation of Deep Learning software, we saw it as a good lead finding tool for Detectives more than a tool for analysis at this point. Maybe it'll get there, but I felt like we could be sure it found all the persons or vehicles, and some of the people it found were the leaves on a tree blowing.

One thing we have started using more for long videos is Griffeye Analyze DI. While the carver doesn't work for CCTV drives, the video tools are pretty handy. You can have it examine a section of video and in about 2 minutes (depending on the length of the video) it will spit out a time line with heat map showing when pixels change in that location. It can also split the videos into segments and play them simultaneously meaning you can watch 6 sections of the video at the same time (hard when there is a lot of motion, but easy if you are just looking for anything in a parking garage.)

Briefcam we looked at a couple years ago, but it was at the time more for a dedicated camera and the license was a bit steep.



Police Department

Serving Since 2014

Blake Sawyer-*CFVA CFVE*
Digital Media Forensic Specialist

909 14th Street
Plano, Texas 75074
T 972.941.2473
blakes@plano.gov
plano.gov

Connect with Plano



This email is not meant to endorse any product, and the writer of this email hasn't been compensated for his opinion.

From: fva-list-bounces@lists.umanitoba.ca [<mailto:fva-list-bounces@lists.umanitoba.ca>] **On Behalf Of** STODDARD, Chris

Sent: Monday, January 07, 2019 4:15 PM

To: Forensic Video Analysis (fva-list@lists.umanitoba.ca) <fva-list@lists.umanitoba.ca>

Cc: LUM, Eugene <eugene.lum@vpd.ca>

Subject: [FVA-List] Vintra, Veritone, Briefcam feedback - AI/facial and object recognition

Hi friends,

Can anyone speak to the AI products Vintra FulcrumAI Investigator, Veritone aiWARE, or Briefcam?

I've already spoken to someone about Briefcam, and their review was positive.

I'm trying to solve two problems:

1. Video review: reviewing a DVR full of video takes foreverrrrrrrr, and is a waste of human resources. I need a product/machine that reviews the video for me, and displays meaningful results that I can filter. Show me all the trucks, show me all the people, show me all the faces – etc.
2. Facial recognition: if the system finds people, I want it to compare those results with our arrest system photos. Passively, and actively – as in, show me bad people even if I'm not specifically looking for them AND show me every time "bad person A" shows up. (I choose "bad person A," and want to see every time he shows up in any video that has been processed by the system.

If you are using anything else that I may find interesting, please let me know.

I've already done extensive research and development using experimental and prototype software – and I know the above is possible because I did it. What I need, though, is a commercially available and supported application that is scalable, not in the cloud, and actually does what it says it does. On-prem is preferred for performance and Privacy Act limitations. (On-prem is waaaaaaay faster overall, if your infrastructure is speedy. Uploading to a cloud and waiting for processing is very time consuming.)

Thanks in advance to those who can share some feedback with me!

Chris

Chris Stoddard CFVA

Vancouver Police Department

Forensic Services Section

Forensic Video Unit

Forensic Video Analyst

Phone: 604-717-3313

chris.stoddard@vpd.ca

This transmission may contain confidential or privileged communications, and the sender does not waive any related rights and obligations. If you are not the intended recipient and have received this in error, you must immediately destroy it. Unauthorized copying or distribution of any information herein is strictly prohibited and may constitute a criminal offence, a breach of provincial or Federal privacy laws, or may otherwise result in legal sanctions. We ask that you notify the Vancouver Police Department immediately of any transmission received in error, by reply E-mail to the sender.

This e-mail (including any attachments) may contain PRIVILEGED and CONFIDENTIAL INFORMATION only for use of the Addressee(s). If you are not the intended recipient of this e-mail or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination or copying of this e-mail is strictly prohibited. If you have received this e-mail in error, please immediately notify me by telephone or e-mail to arrange for the return or destruction of this document. Thank you.
